

PTO/SB/80 (04-05)

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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

Practitioners associated with the Customer Number:

202.77

OR

Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

The address associated with Customer Number:

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City		State	Zip
Country			
Telephone			Email

Assignee Name and Address:

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

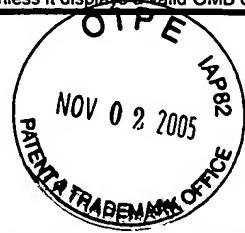
## SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	Aug 10, 2005
Name	Paul S. Drake, Esq.	Telephone	512.602.2103
Title	Global IP Portfolio Counsel		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner:Advanced Micro Devices, Inc.Application No./Patent No.:10/718,707Filed/Issue Date:November 24, 2003Entitled :METHODS AND ARRANGEMENTS FOR NITROGEN-RICH REGIONS IN NON-VOLATILE SEMICONDUCTOR MEMORY DEVICES (AS AMENDED)Advanced Micro Devices, Inc.  
(Name of Assignee)a Corporation,  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. [ X ] An assignment from the inventor(s) of the patent application/patent above. The assignment was recorded in the Patent and Trademark Office at Reel 9431, Frame 0778, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[ X ] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Aug. 10, 2005  
 Date

  
 Signature

Paul S. Drake, Esq.  
 Typed or printed name

Global IP Portfolio Counsel  
 Title



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DECEMBER 29, 1998

PTAS



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MCDERMOTT, WILL & EMERY  
JOHN A. HANKINS  
99 CANAL CENTER PLAZA  
SUITE 300  
ALEXANDRIA, VA 22314

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/28/1998

REEL/FRAME: 9431/0778  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:  
RAMSBY, MARK

DOC DATE: 08/24/1998

ASSIGNEE:  
HADDAD, SAMEER

DOC DATE: 08/24/1998

ASSIGNEE:  
CHAN, VEI-HAN

DOC DATE: 08/24/1998

ASSIGNEE:  
SUN, YU

DOC DATE: 08/24/1998

ASSIGNEE:  
CHANG, CHI

DOC DATE: 08/19/1998

ASSIGNEE:  
ADVANCED MICRO DEVICES, INC.  
ONE AMD PLACE  
PO BOX 3453  
SUNNYVALE, CALIFORNIA 94088-3453

9431/0778 PAGE 2

SERIAL NUMBER: 09143089  
PATENT NUMBER:



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
WASHINGTON, D.C. 20531 08/28/1998  
ISSUE DATE:

MAURICE CARTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

Docket No.: 50100-513 (1033-445)

A S S I G N M E N T

WHEREAS WE, Mark Ramsbey of Sunnyvale, CA, Sameer Haddad of San Jose, CA, Vei-Han Chan of San Jose, CA, Yu Sun of Saratoga, CA, and Chi Chang of Redwood City, CA, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled METHODS AND ARRANGEMENTS FOR REDUCING FALSE PROGRAMMING IN NON-VOLATILE SEMICONDUCTOR MEMORYDEVICES, executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

AND WHEREAS, Advanced Micro Devices, Inc., a corporation of the State of Delaware and having an address of One AMD Place, P. O. Box 3453, Sunnyvale, California 94088-3453 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Advanced Micro Devices, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Advanced Micro Devices, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

8/24/98  
Date

Mark Ramsbey  
Mark Ramsbey

8/24/98  
Date

Sameer Haddad  
Sameer Haddad

Date  
8-24-98

Vei-Han Chan  
Vei-Han Chan

Date  
Aug. 19, 1998

Yu Sun  
Yu Sun

Date  
Aug. 19, 1998

Chi Chang  
Chi Chang

STATE OF CALIFORNIA )  
COUNTY OF California) SS:

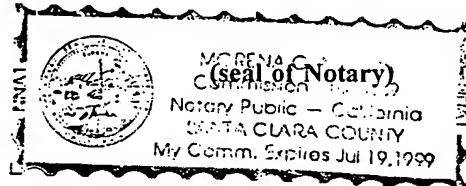
On August 24, 1998 before me, Morena G. Molina, Notary Public  
personally appeared Mark Ramsbey

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Morena G. Molina (signature of Notary)

My commission expires July 19, 1999.



STATE OF CALIFORNIA

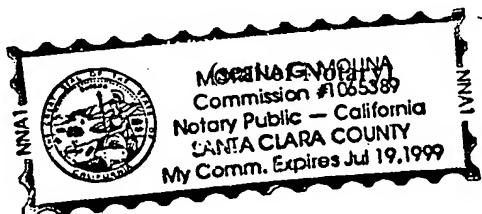
COUNTY OF Santa Clara) SS:

On August 24, 1998 before me, Morena G. Molina, Notary Public,  
personally appeared Sameer Haddad,  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Morena G. Molina (signature of Notary)

My commission expires July 19, 1999.



STATE OF CALIFORNIA )  
COUNTY OF ) SS:

On \_\_\_\_\_ before me,  
personally appeared Vei-Han Chan,  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_(signature of Notary)

(seal of Notary)

My commission expires \_\_\_\_\_

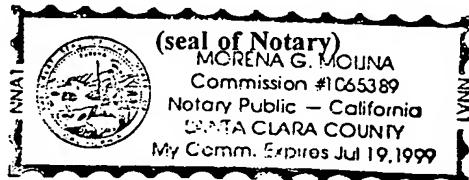
STATE OF CALIFORNIA)  
                                ) SS:  
COUNTY OF Santa Clara)

On August 24, 1998 before me, Morena G. Molina, Notary Public, personally appeared Yu Sun, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Morena G. Molina (signature of Notary)

My commission expires July 19, 1998.



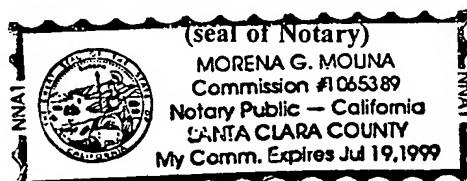
STATE OF CALIFORNIA)  
                                ) SS:  
COUNTY OF Santa Clara)

On August 19, 1998 before me, Morena G. Molina, Notary Public, personally appeared Chi Chang, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Morena G. Molina (signature of Notary)

My commission expires July 19, 1999.



Docket No.: 50100-513 (1033-445)

## A S S I G N M E N T

WHEREAS WE, Mark Ramsbey of Sunnyvale, CA, Sameer Haddad of San Jose, CA, Vei-Han Chan of San Jose, CA, Yu Sun of Saratoga, CA, and Chi Chang of Redwood City, CA, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled METHODS AND ARRANGEMENTS FOR REDUCING FALSE PROGRAMMING IN NON-VOLATILE SEMICONDUCTOR MEMORY DEVICES, executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

AND WHEREAS, Advanced Micro Devices, Inc., a corporation of the State of Delaware and having an address of One AMD Place, P. O. Box 3453, Sunnyvale, California 94088-3453 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Advanced Micro Devices, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Advanced Micro Devices, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

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Date

Aug. 24, 98 21.

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Date

Aug. 24, 98

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Date

Aug. 19, 1998

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Date

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Mark Ramsbey

---

Sameer Haddad

Vei-Han Chan

Vei-Han Chan

---

Yu Sun

Chi Chang

Chi Chang

STATE OF CALIFORNIA )  
                       ) SS:  
COUNTY OF \_\_\_\_\_)

On \_\_\_\_\_ before me, \_\_\_\_\_  
personally appeared Mark Ramsbey  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_ (signature of Notary)

\_\_\_\_\_ (seal of Notary)

My commission expires \_\_\_\_\_

STATE OF CALIFORNIA      )  
                       ) SS:  
COUNTY OF \_\_\_\_\_)

On \_\_\_\_\_ before me, \_\_\_\_\_  
personally appeared Sameer Haddad  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_ (signature of Notary)

\_\_\_\_\_ (seal of Notary)

My commission expires \_\_\_\_\_

STATE OF CALIFORNIA      )  
                       ) SS:  
COUNTY OF SANTA CLARA

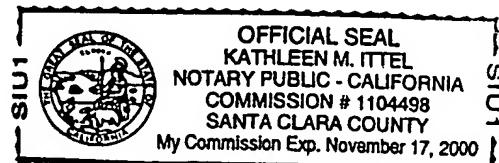
On Aug. 24, 1998 before me, KATHLEEN M. ITTEL,  
personally appeared Vei-Han Chan  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Kathleen M. Ittel (signature of Notary)

\_\_\_\_\_ (seal of Notary)

My commission expires 11/17/00



STATE OF CALIFORNIA)  
                        ) SS:  
COUNTY OF)

On \_\_\_\_\_ before me, \_\_\_\_\_,  
personally appeared Yu Sun,  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_ (signature of Notary)

(seal of Notary)

My commission expires \_\_\_\_\_

STATE OF CALIFORNIA)  
                        ) SS:  
COUNTY OF Santa Clara)

On August 19, 1998 before me, Morena G. Molina, Notary Public,  
personally appeared Chi Chang,  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the  
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Morena G. Molina (signature of Notary)

My commission expires July 19, 1999.

